

FIG. 1

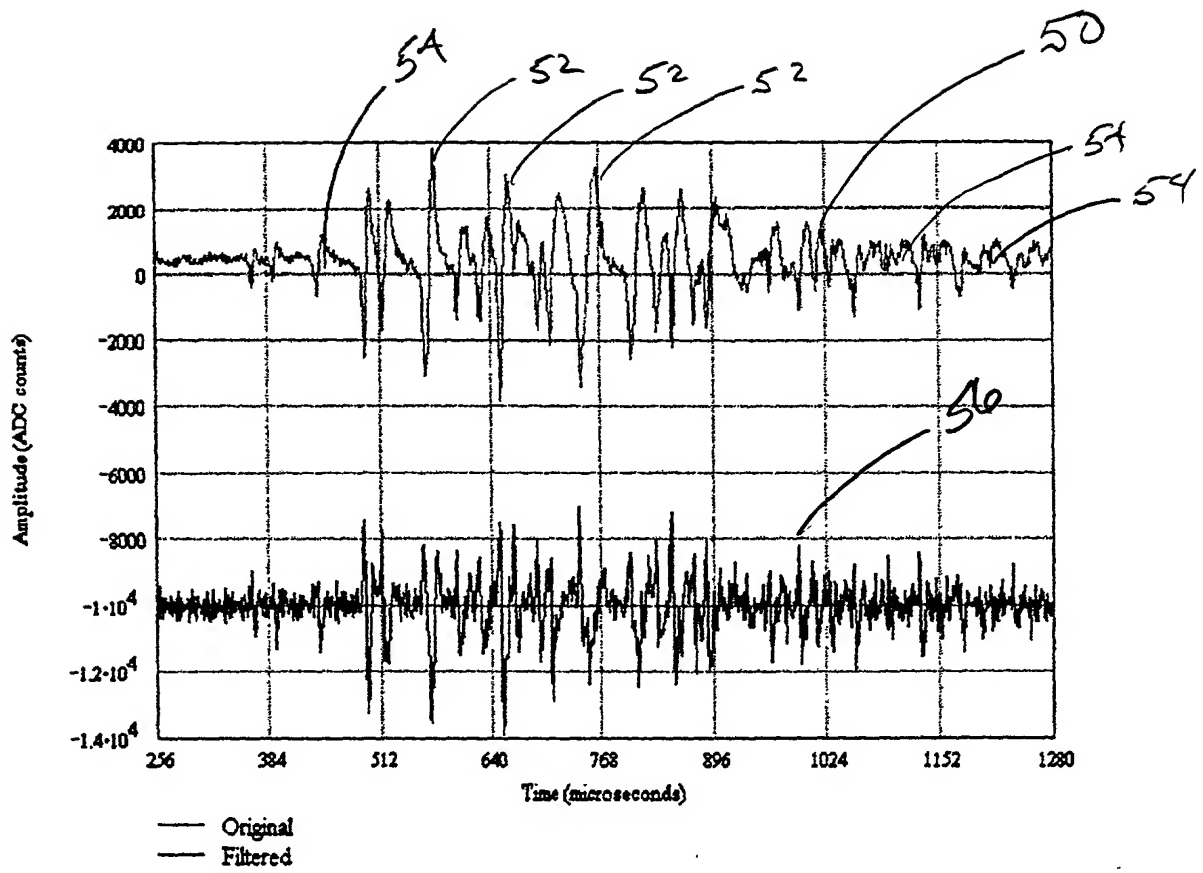
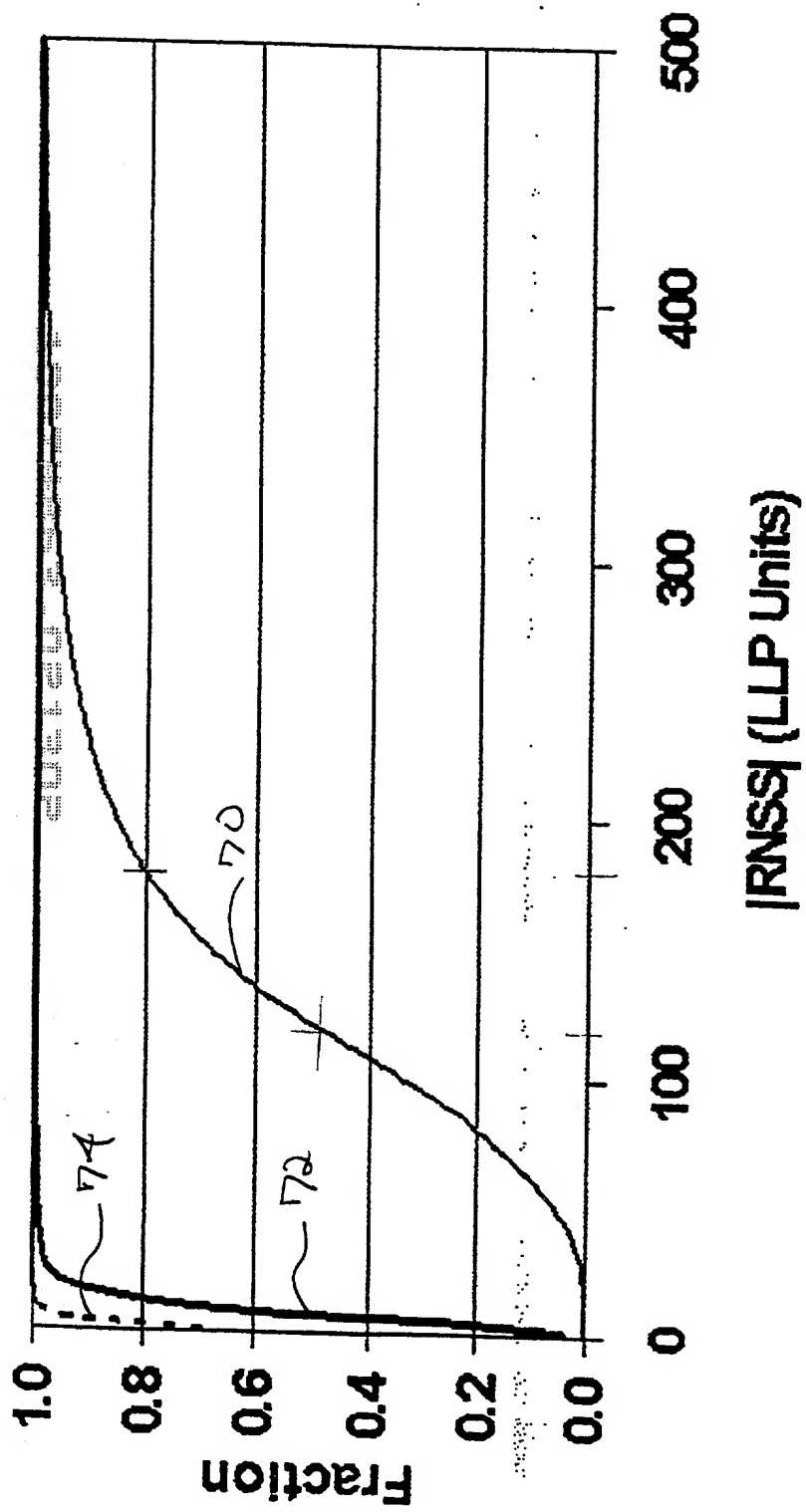


FIG. 3



— OG ---- All cloud — Large cloud

Fig. 4

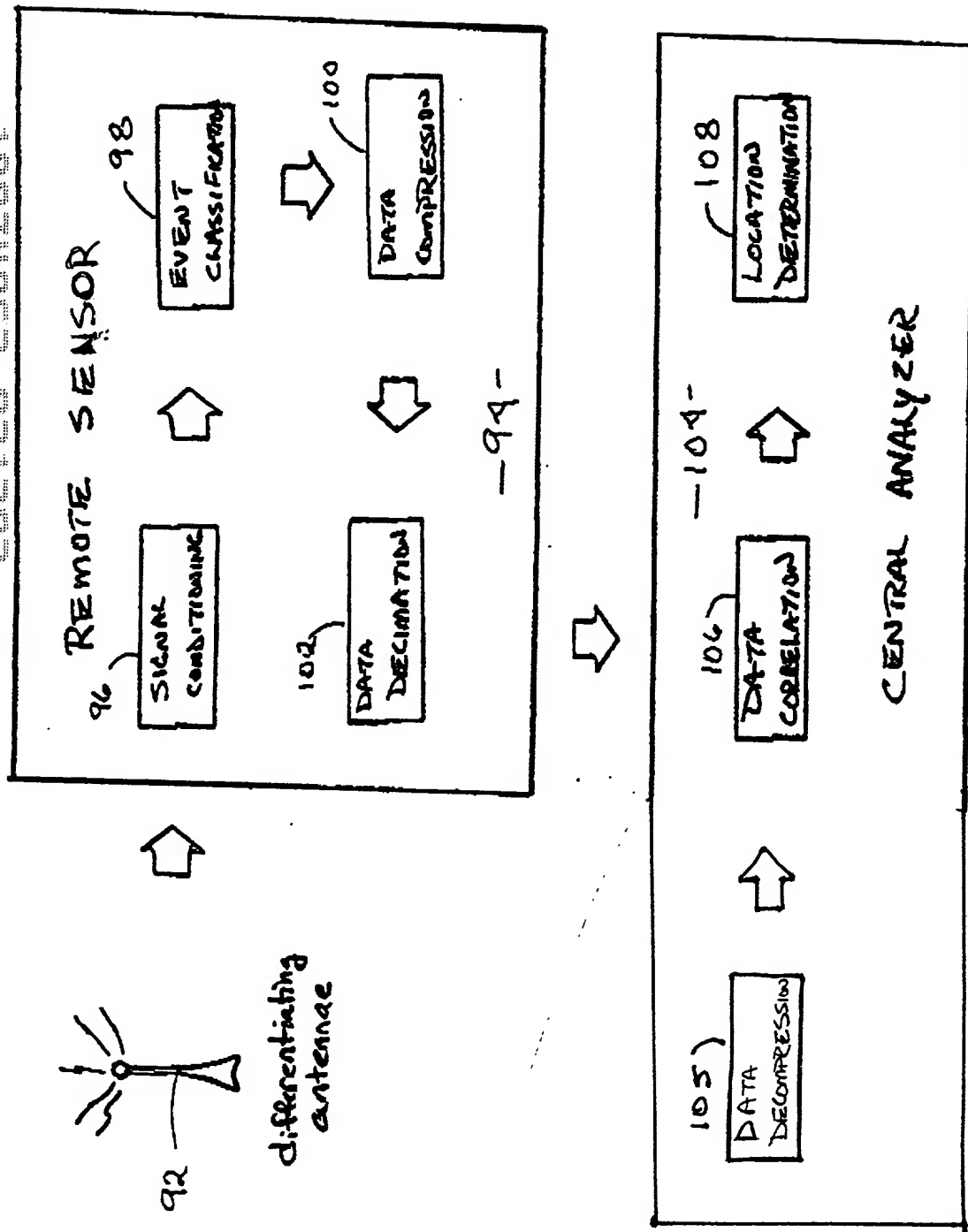


FIG. 5

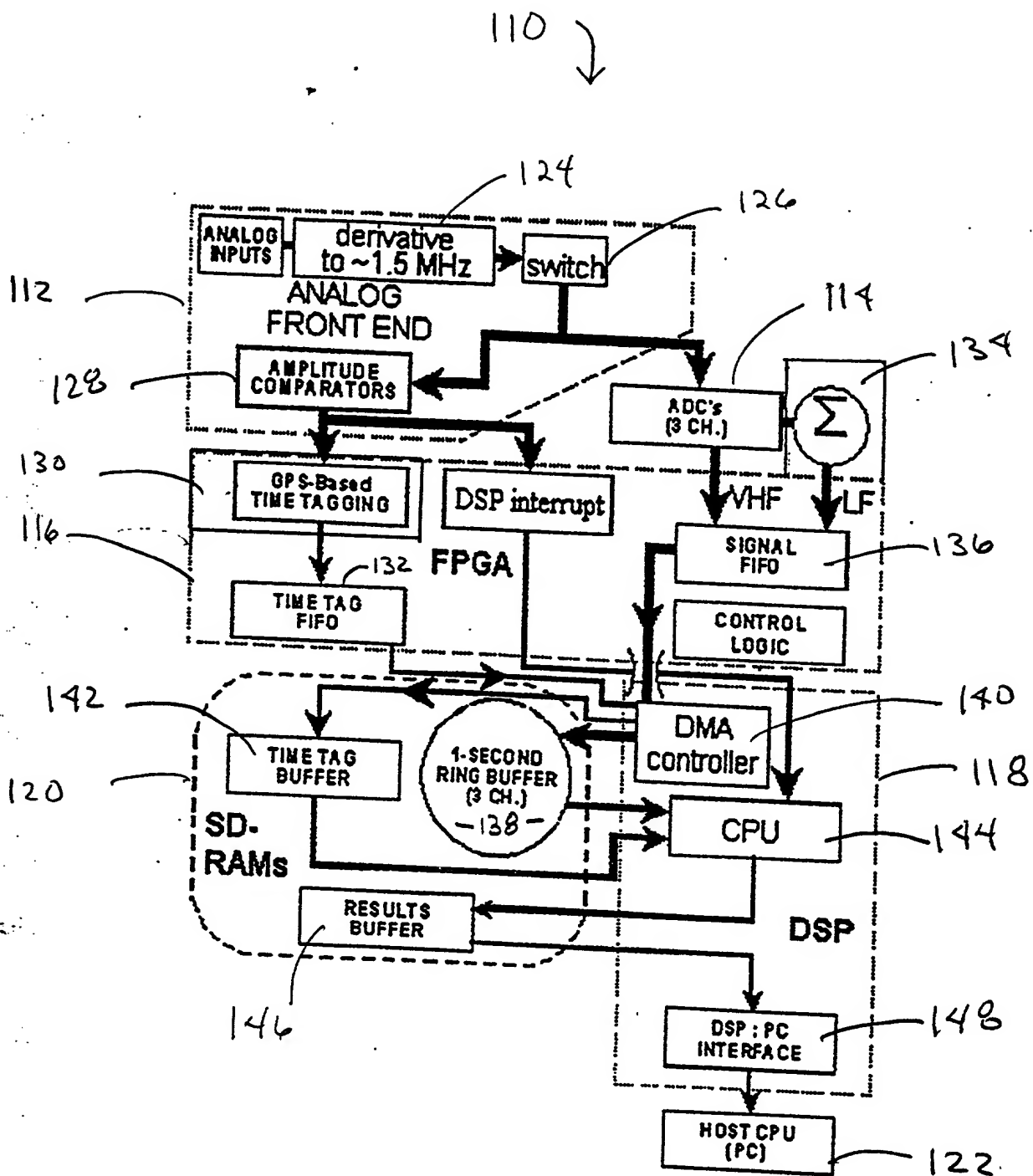


FIG. 6

Major components of filtering & amplification

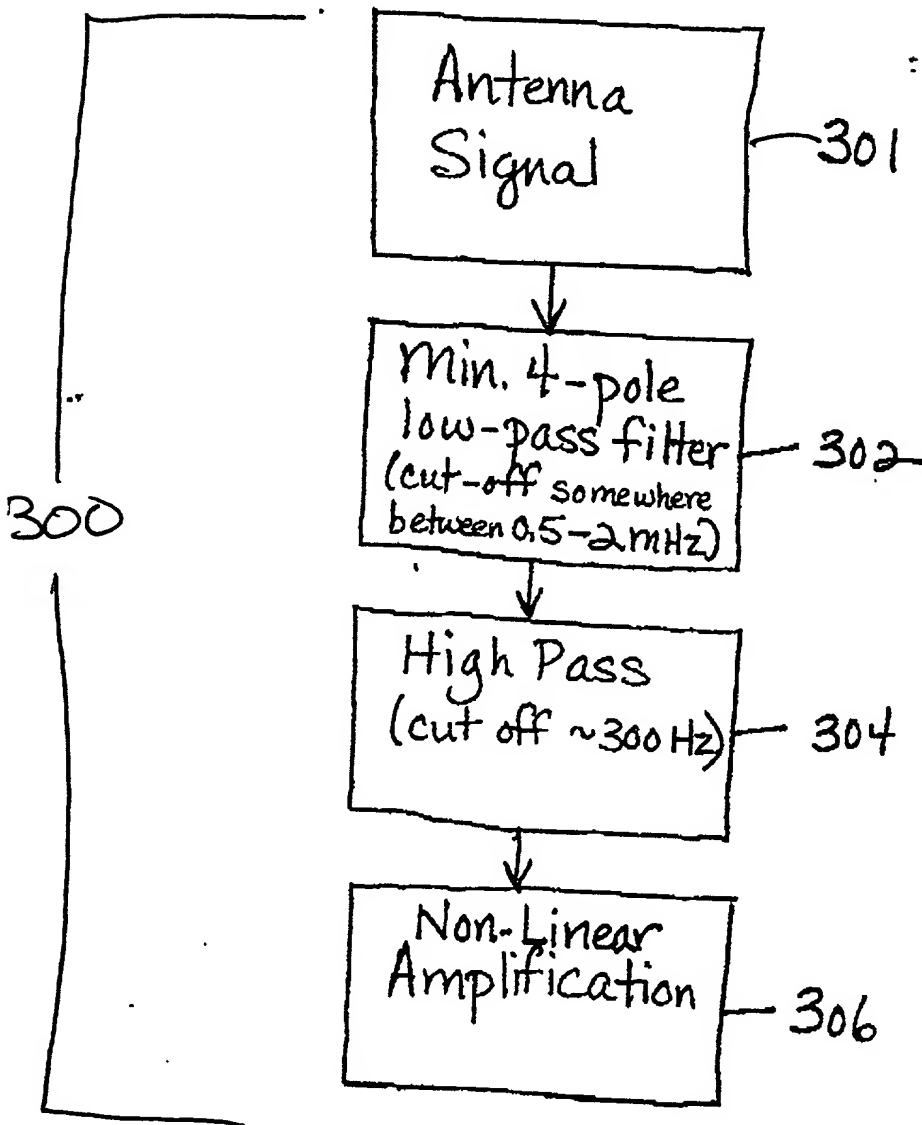


FIG. 7

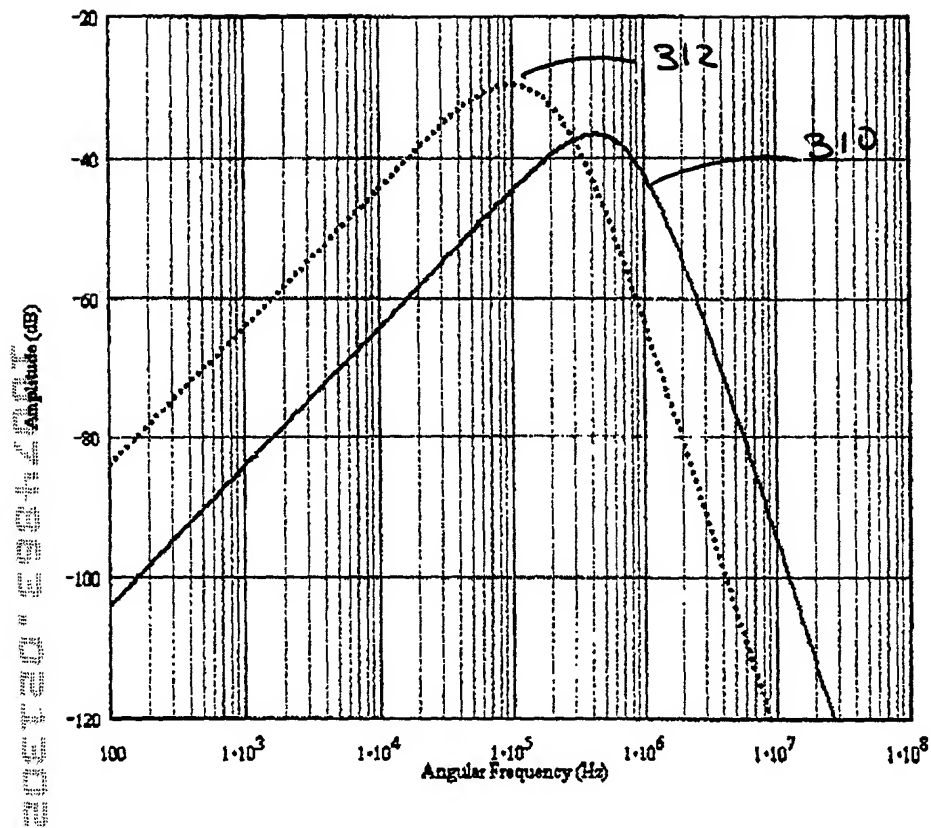


FIG. 8

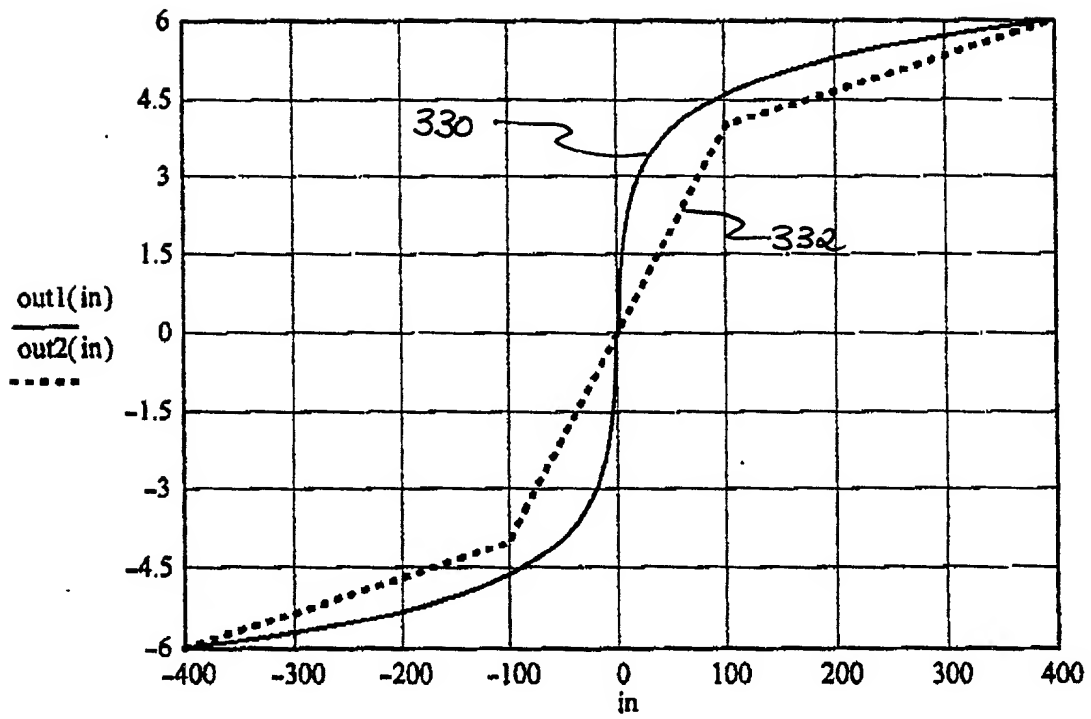


FIG. 9

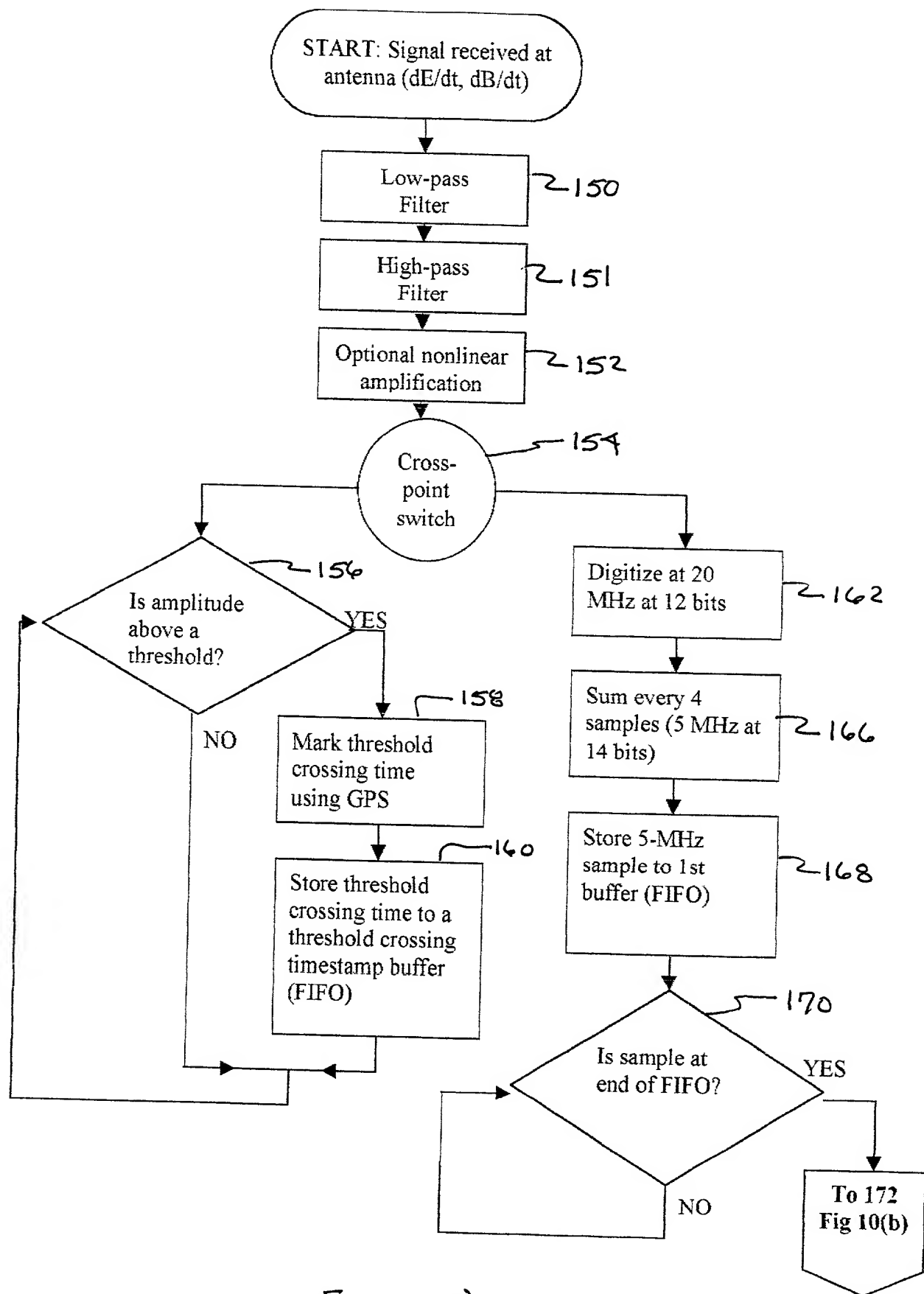


Fig. 10(a)

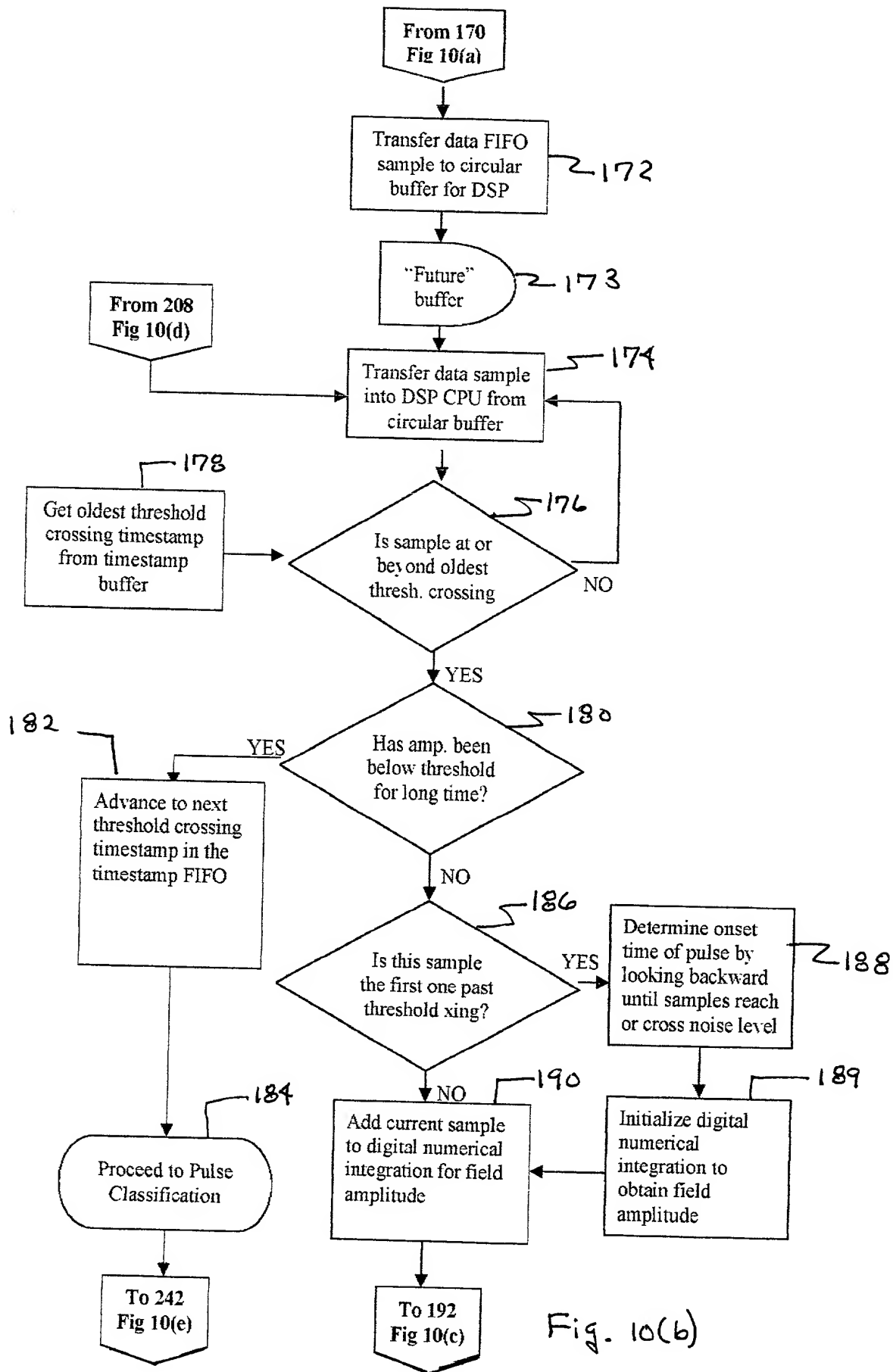


Fig. 10(b)

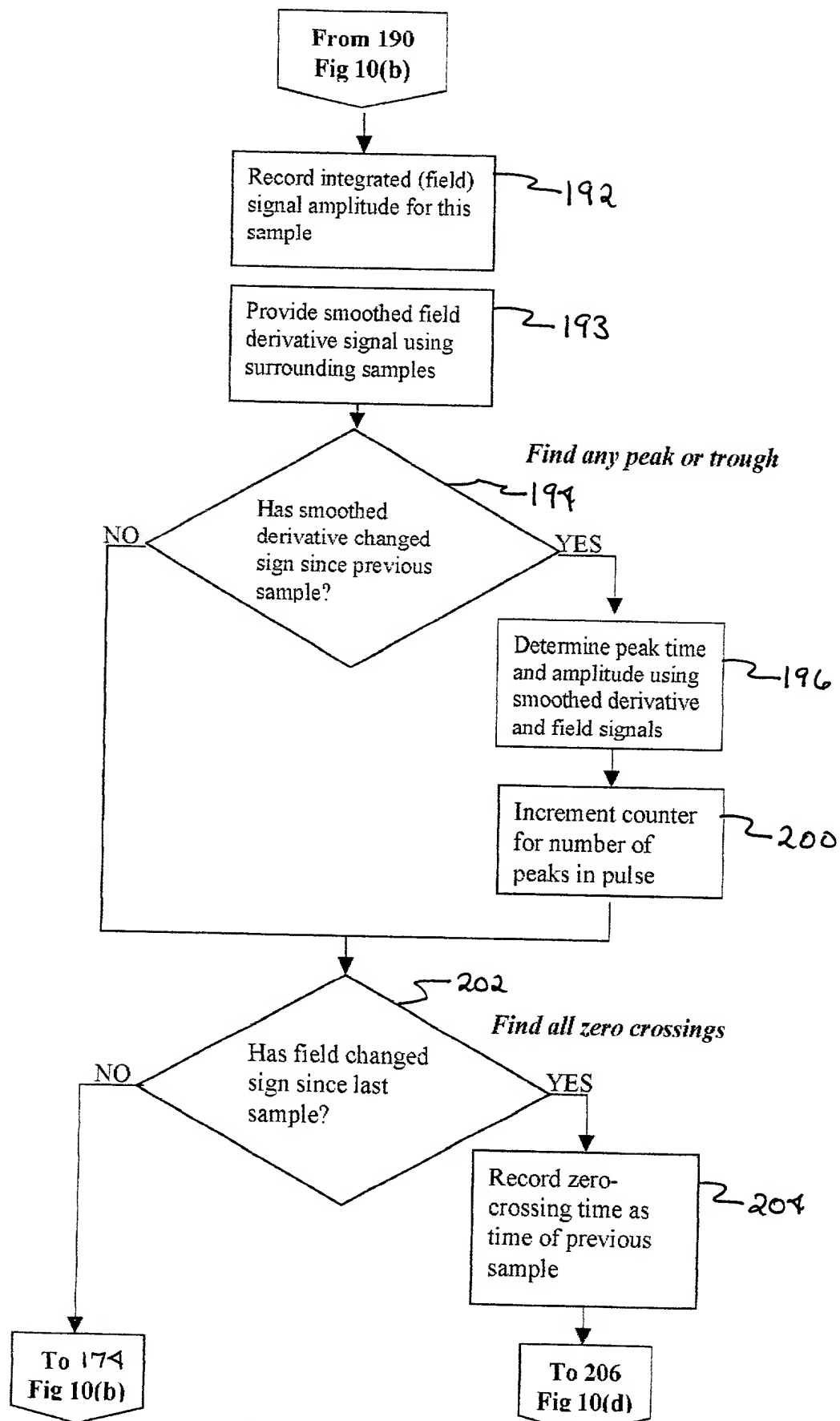


Fig. 10(c)

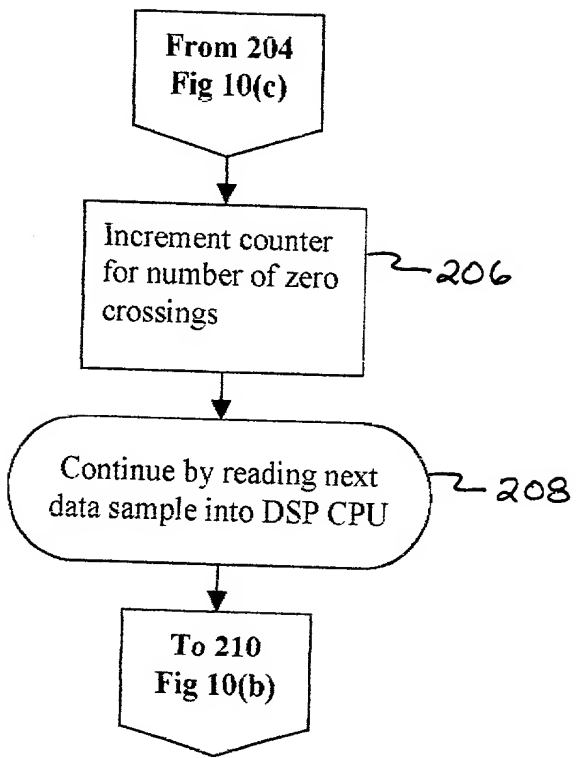
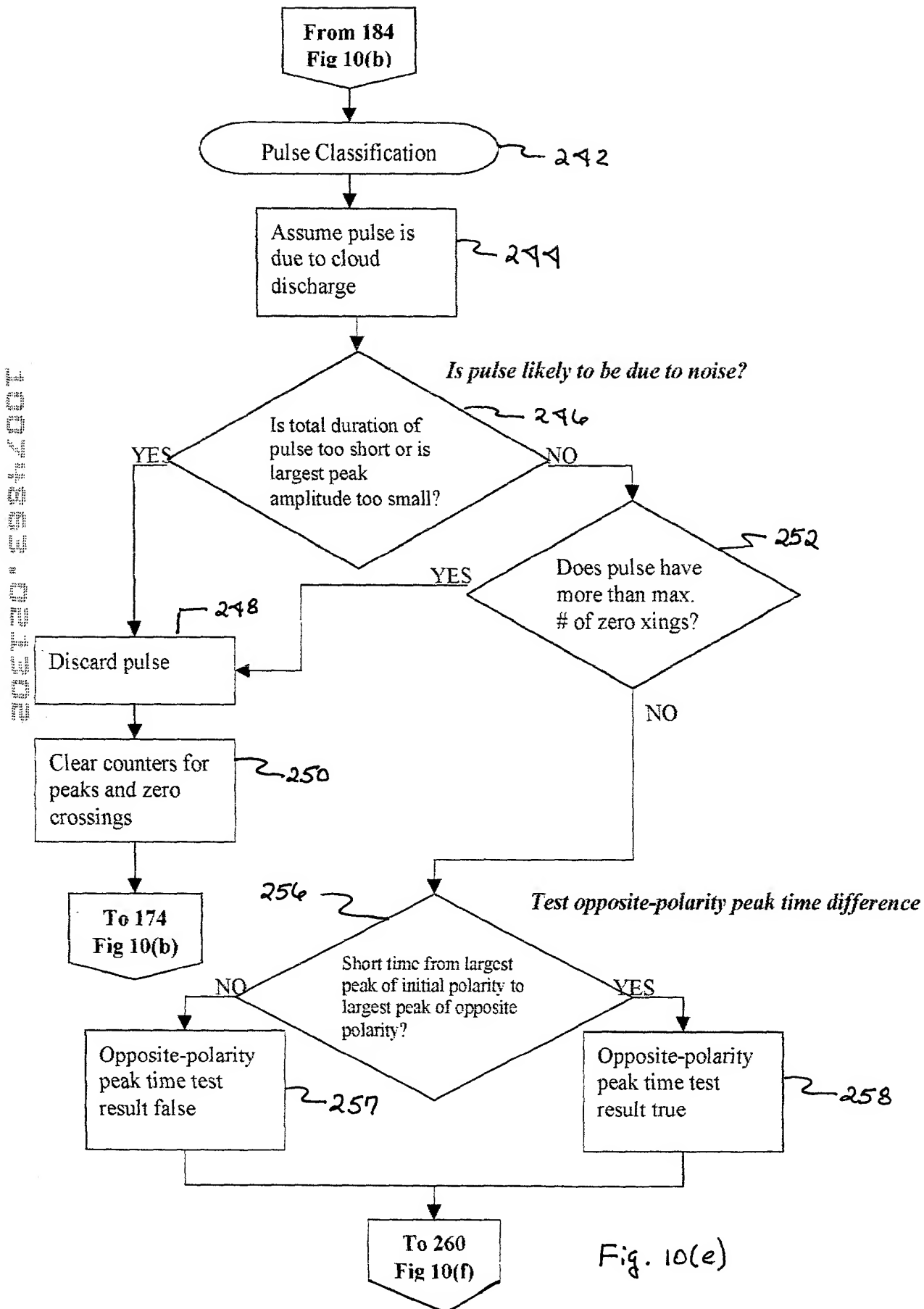


Fig. 10(d)



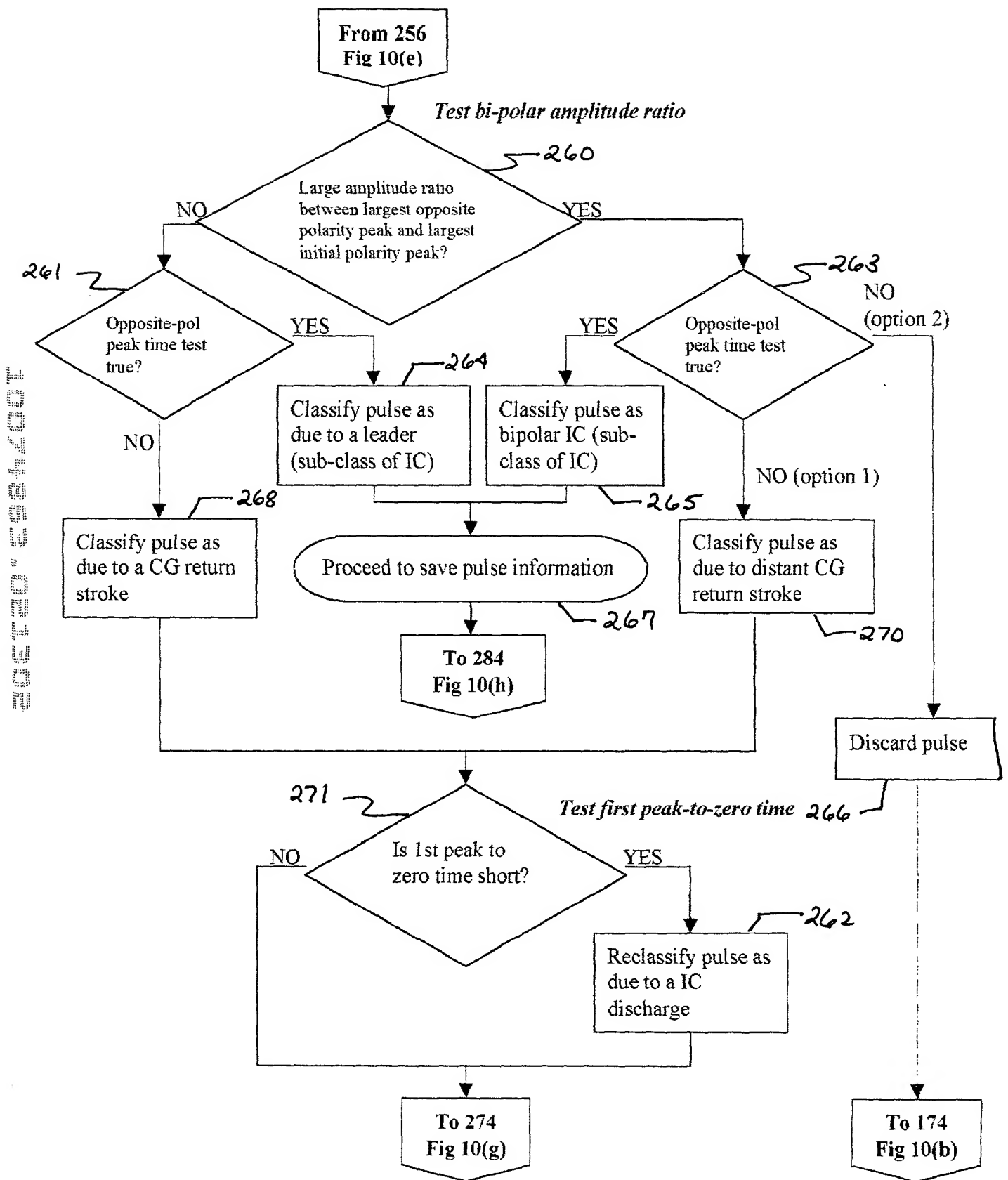


Fig. 10(f)

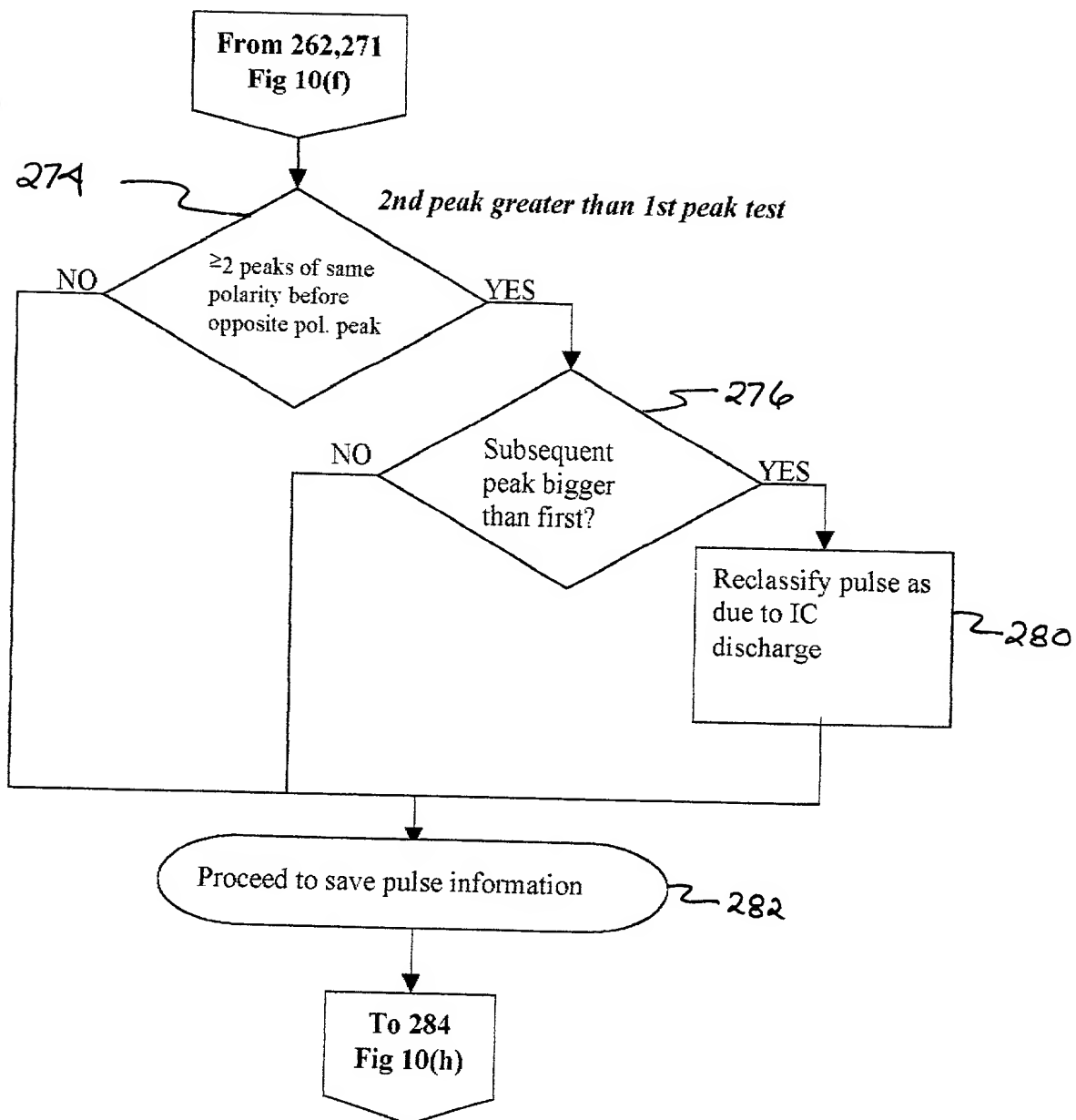
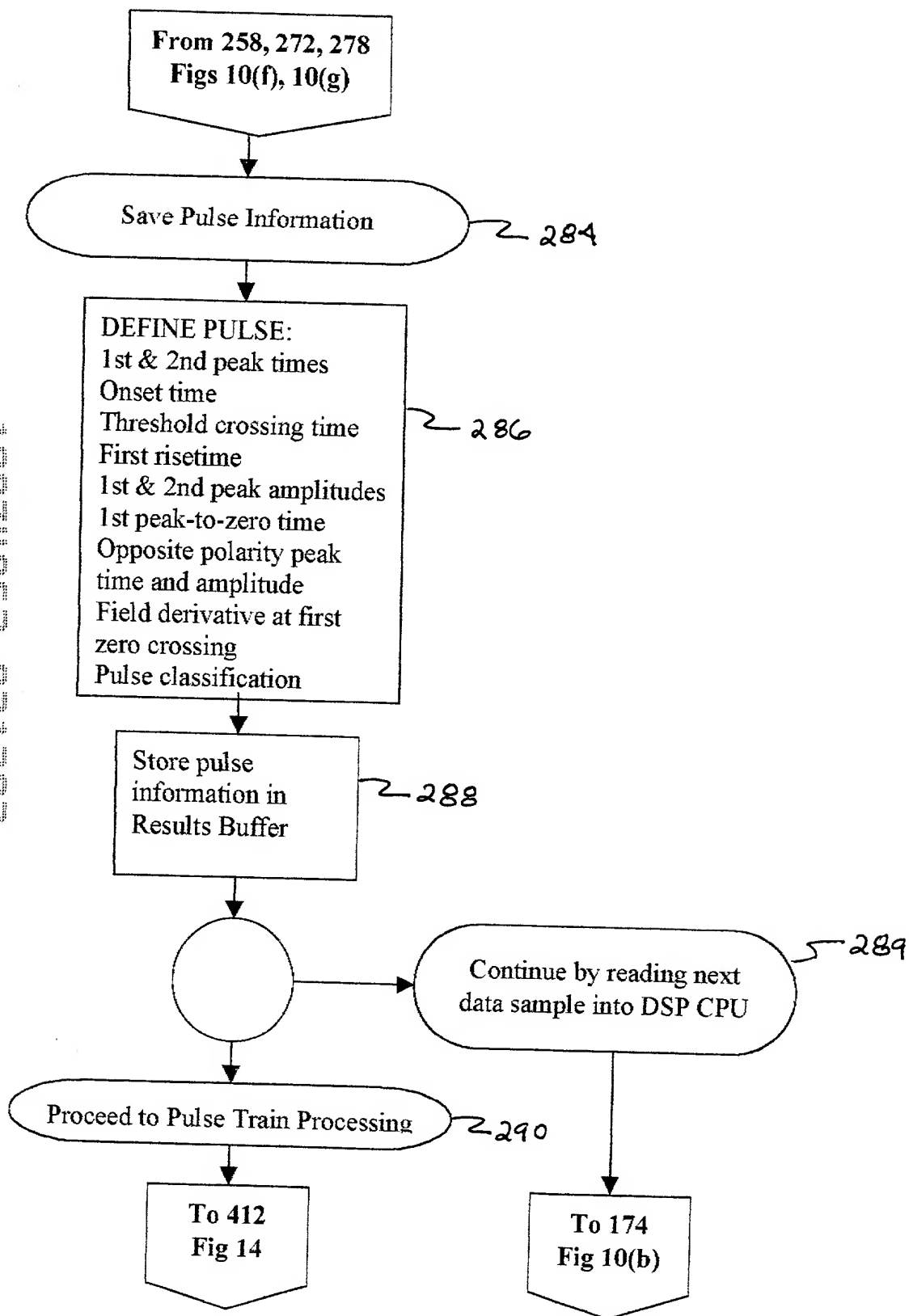


Fig. 10 (g)



A line graph showing a single sharp peak. The y-axis is labeled "Amplitude (arbitrary units)" and ranges from 0 to 500. The x-axis is labeled "Time (microseconds)" and ranges from 0 to 3.0×10^4 . The peak is labeled "2314".

FIG. 11

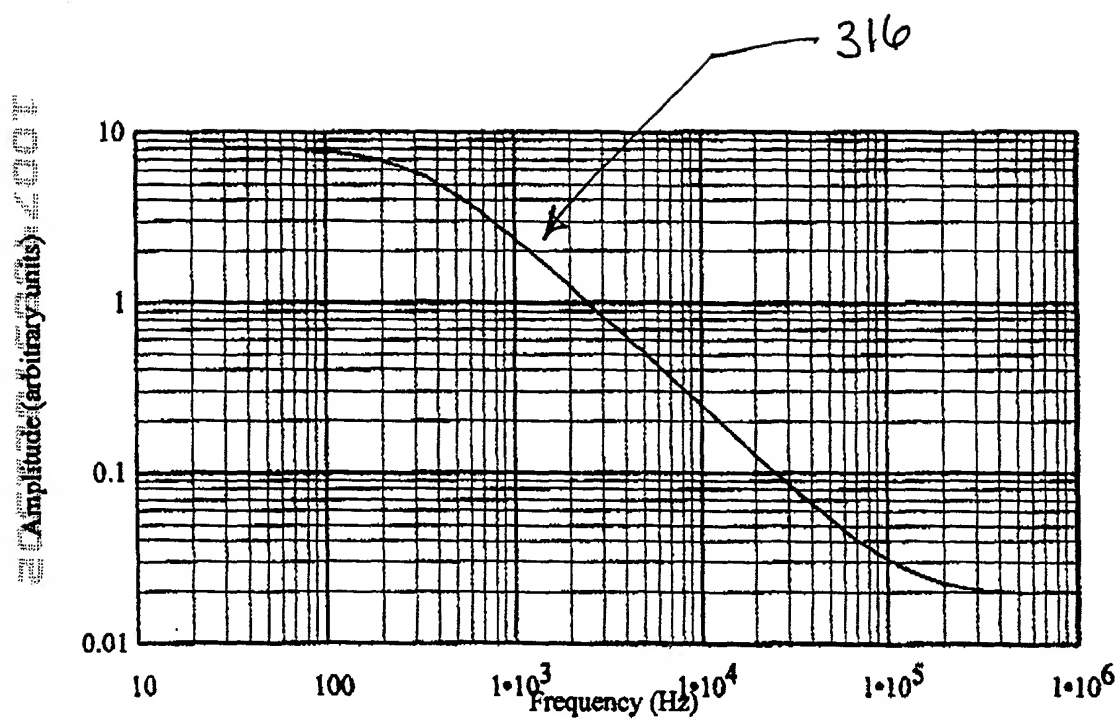


FIG. 12

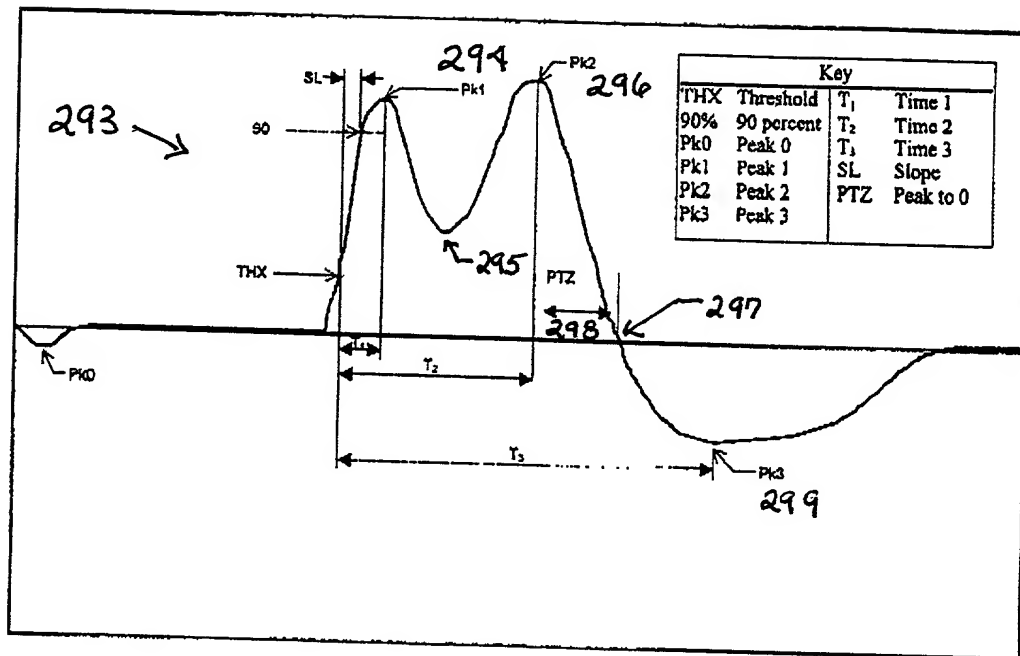


FIG. 13

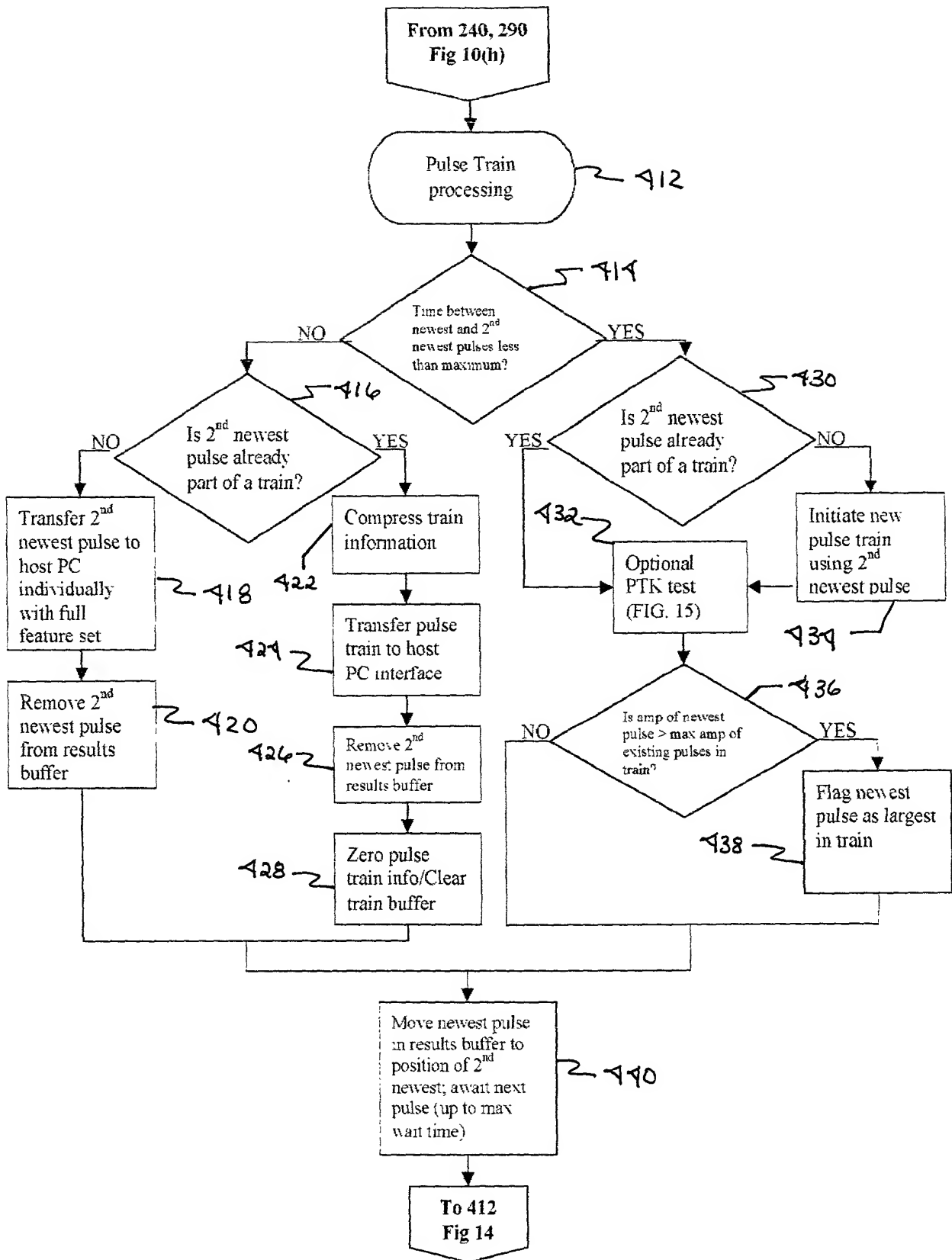
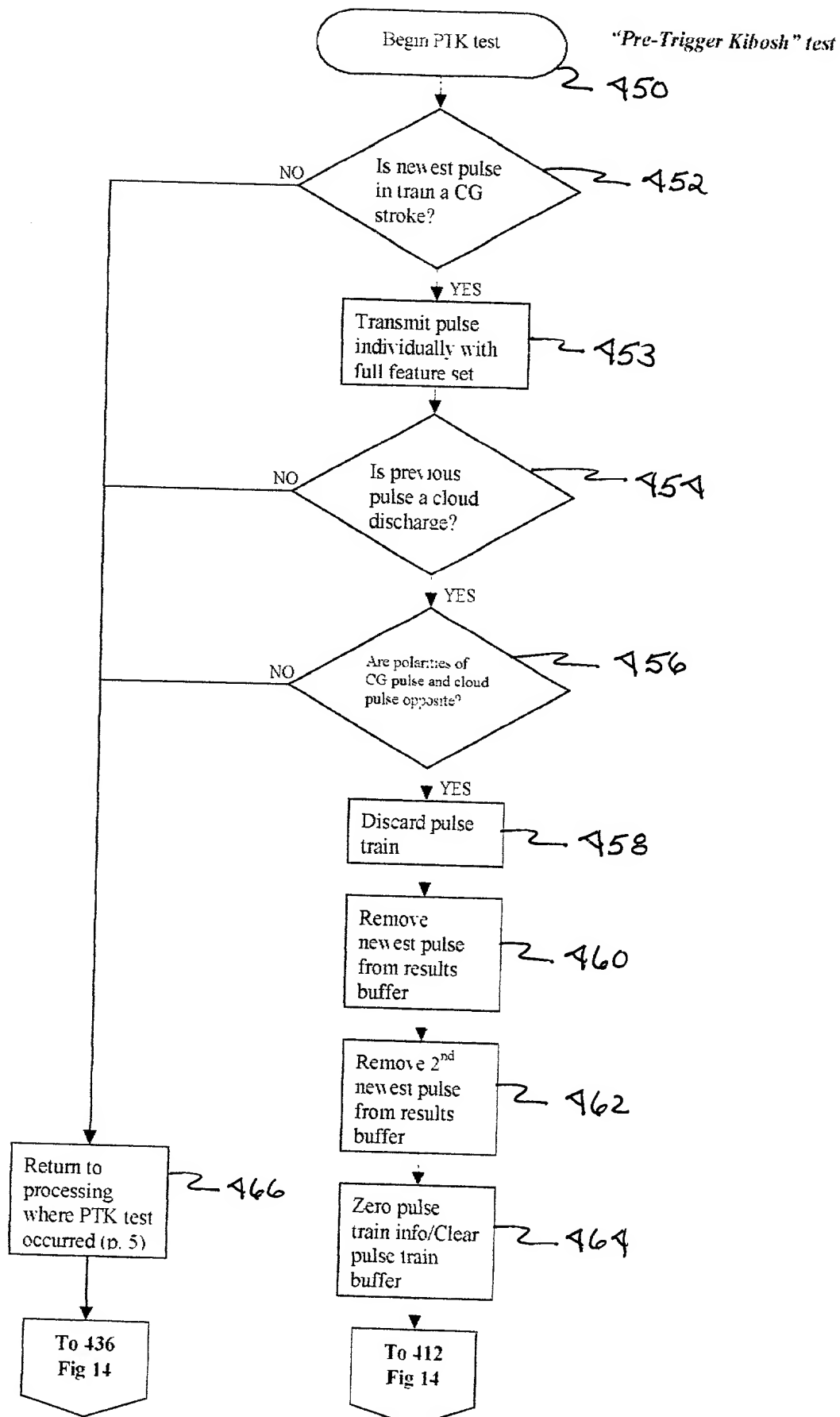


Fig. 14



<u>Pulse</u>	<u>Time (frac. of sec.)</u>	<u>Time (microsec)</u>	<u>Amplitude (count)</u>
471 → 1	0.000500	500	4400
472 → 2	0.000630	630	5100
473 → 3	0.000800	800	2900
474 → 4	0.000840	840	5000
475 → 5	0.000990	990	2900
476 → 6	0.001060	1060	2500

FIG. 16

471
480
482
484
486
488

Complete representations — Decimal / Hexadecimal

Pulse 1	Time (to second):	997056000	3B6DDE00
	Fraction of second:	10000	2710
471 →	Amplitude:	4400	1130
	Angle:	359.99°	7FFF
	Classification:	Cloud	1

FIG. 17

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Hex: 3 B 6 D D E 0 0
 Bin: 0011 1011 0110 1101 1101 1110 0000 0000
 Comment: ← Time to the second →

Hex: 0 0 8 9 C 5 3
 Bin: 0000 0000 0001 1000 1001 1100 0101 0011
 Comment: ← Fraction of second → Amplitude

Flag to indicate that amplitudes are included

Hex: E C F F F F
 Bin: 1110 1100 1111 1111 1111 1111
 Comment: Amplitude → Angle → Classification
 (1 = Cloud;
 0 = CG)

FIG. 18

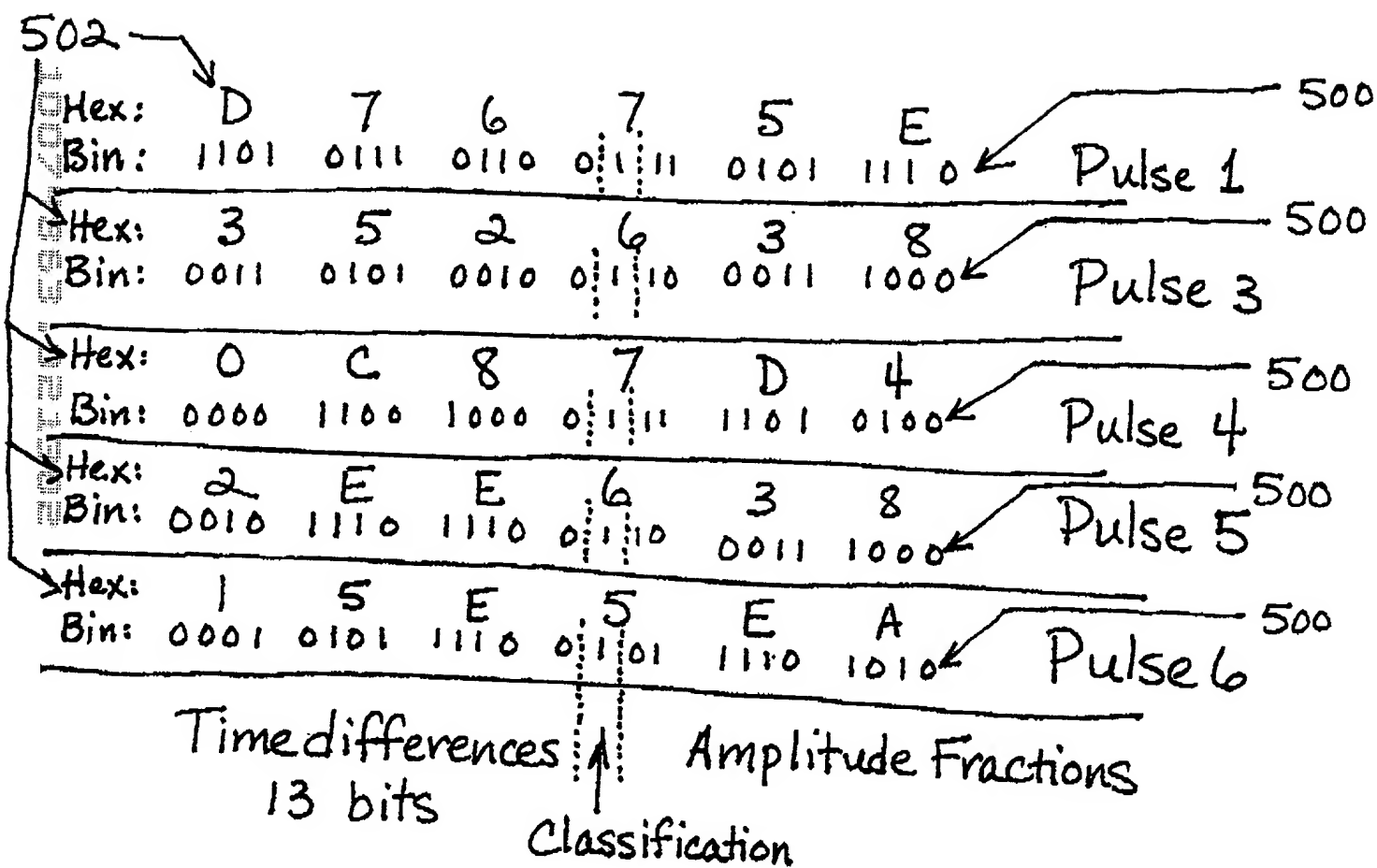


FIG. 19

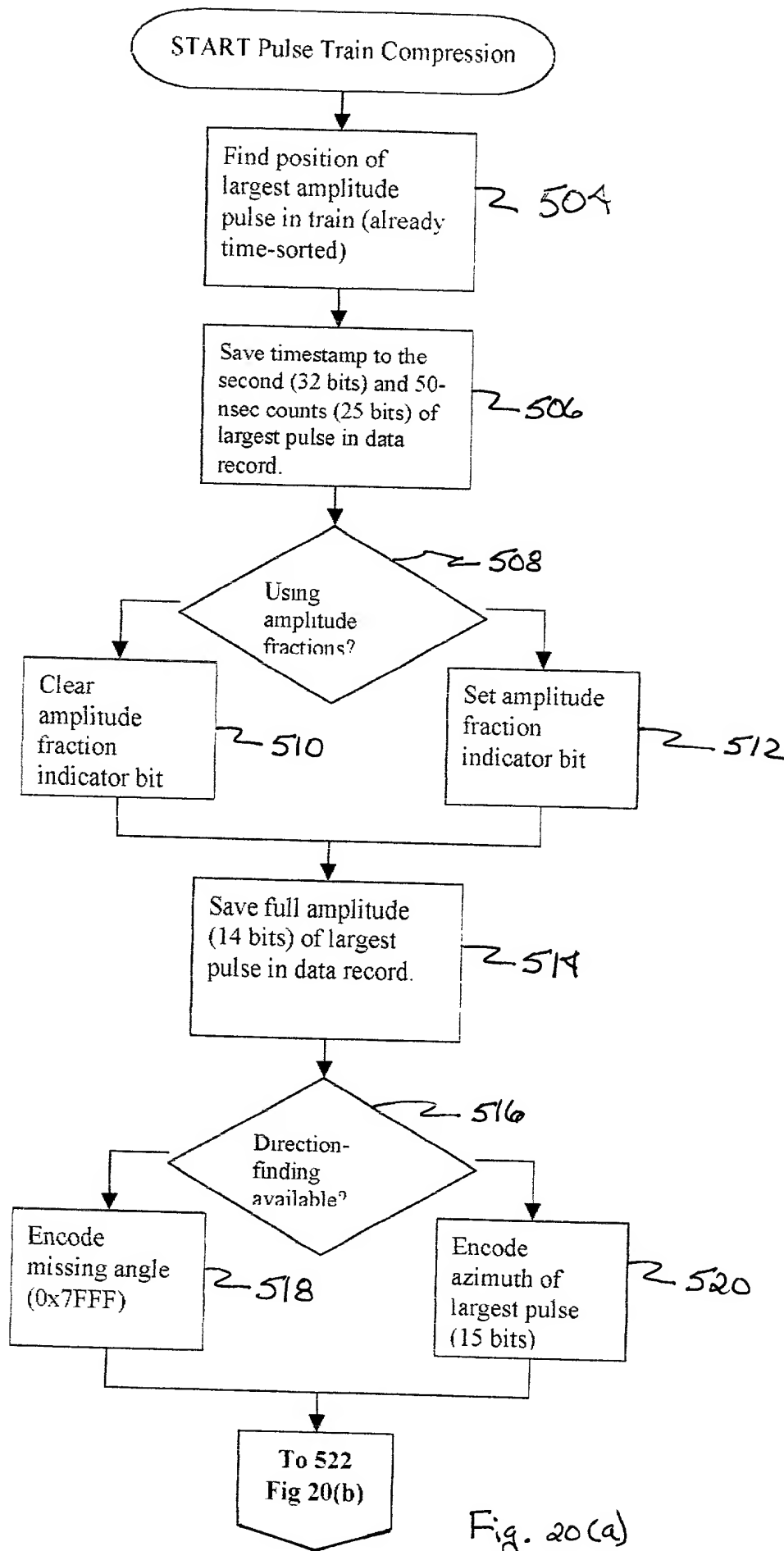


Fig. 20(a)

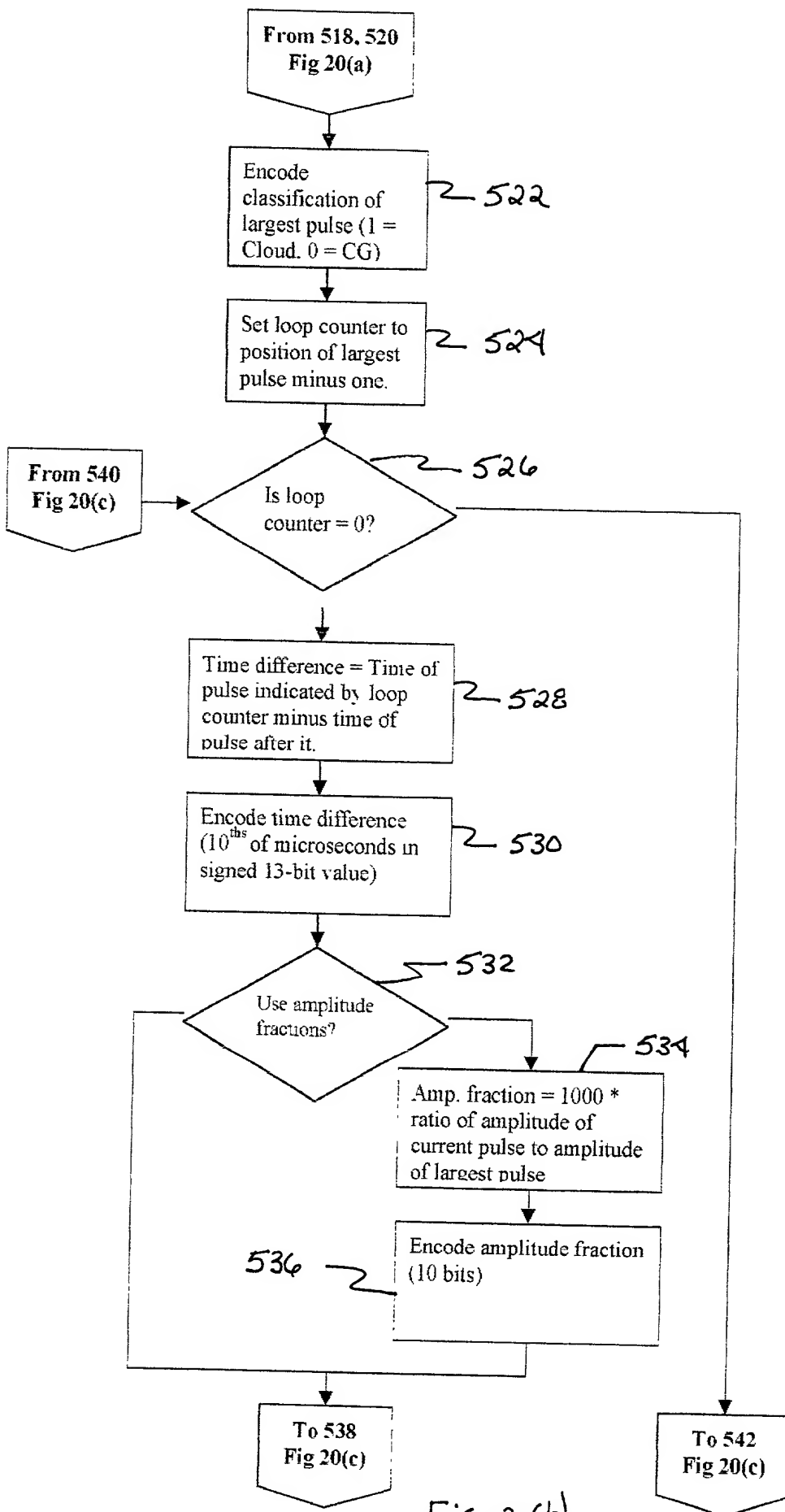


Fig. 20(b)

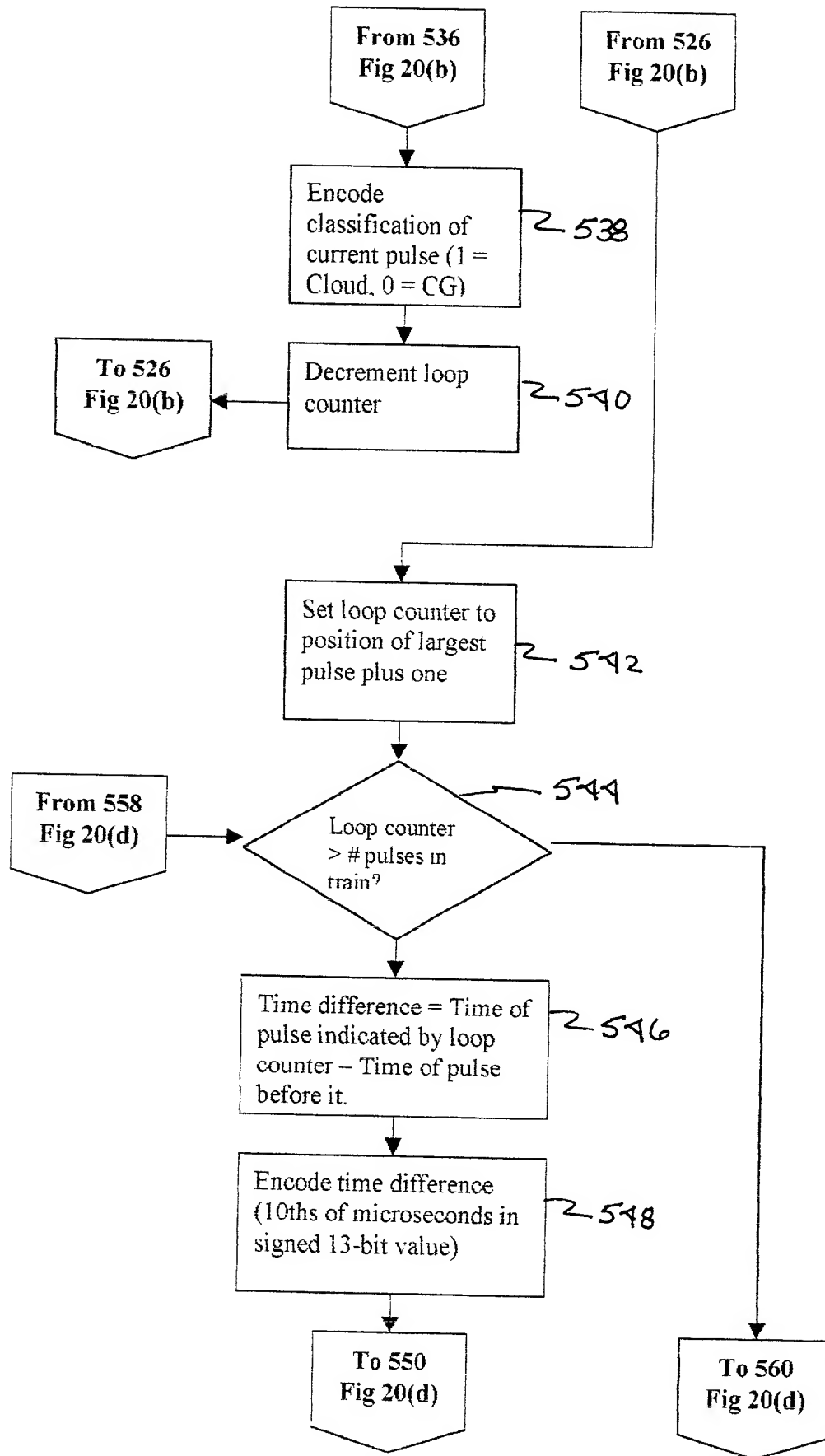


Fig. 20(c)

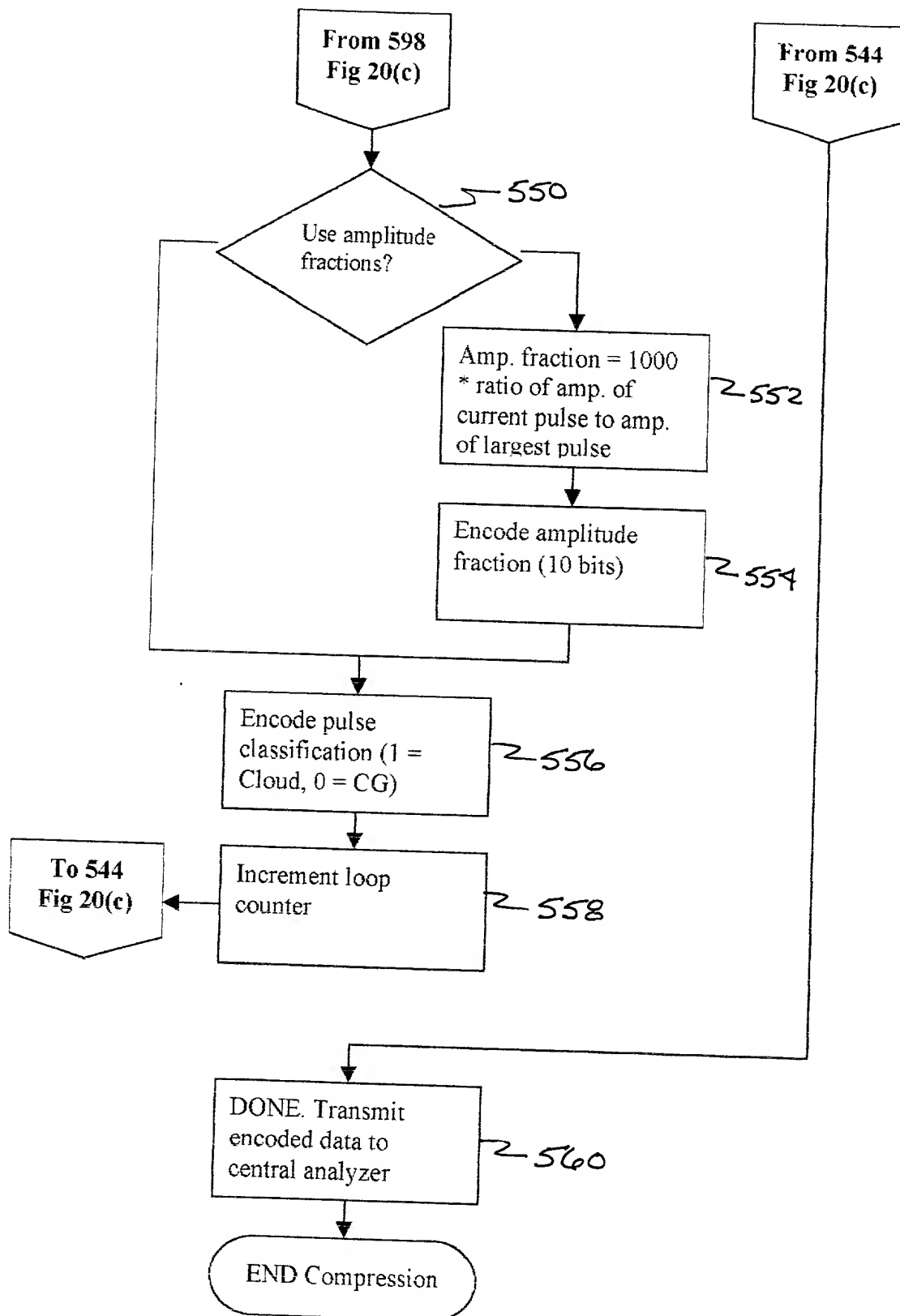


Fig. 20(d)

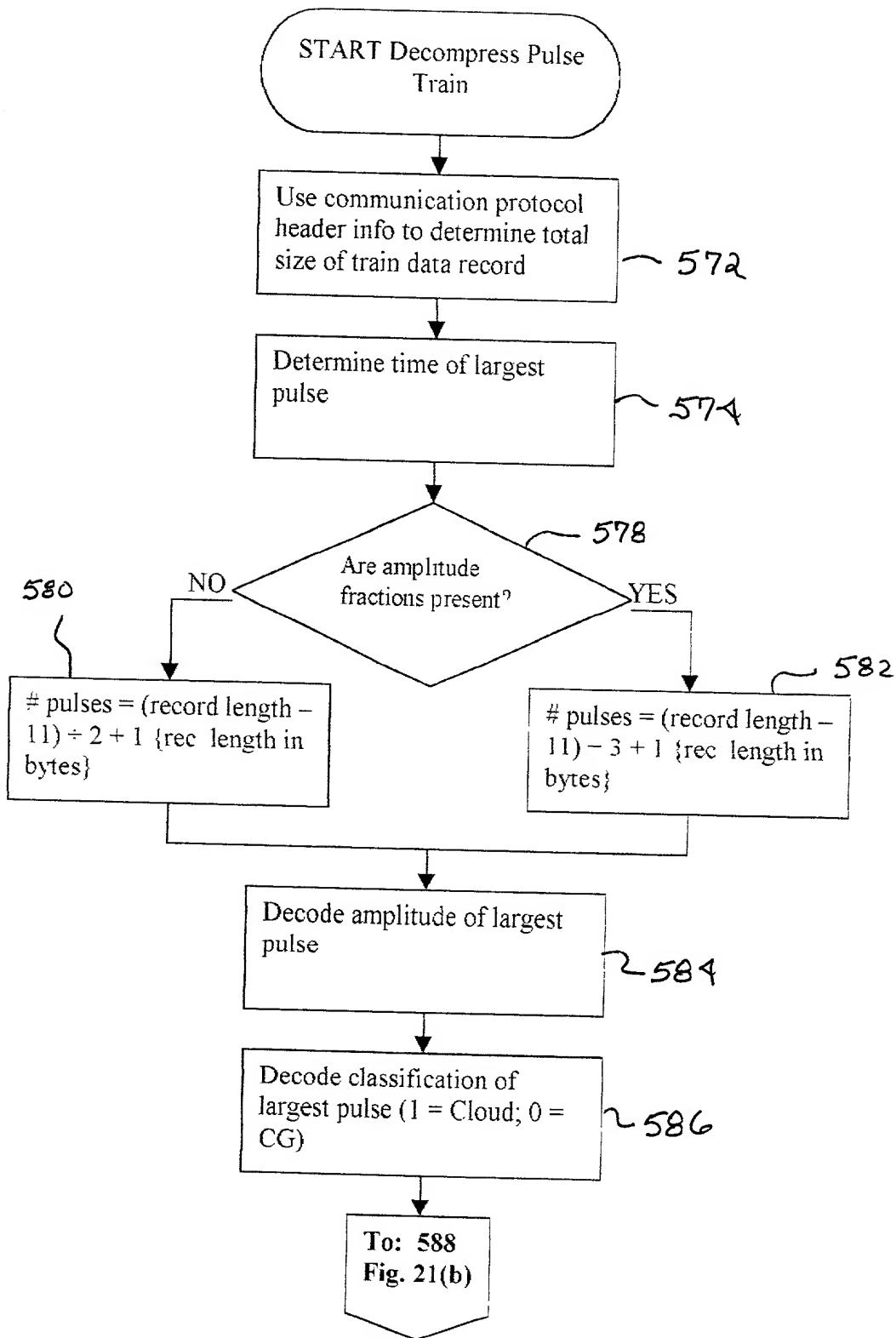


Fig. 21(a)

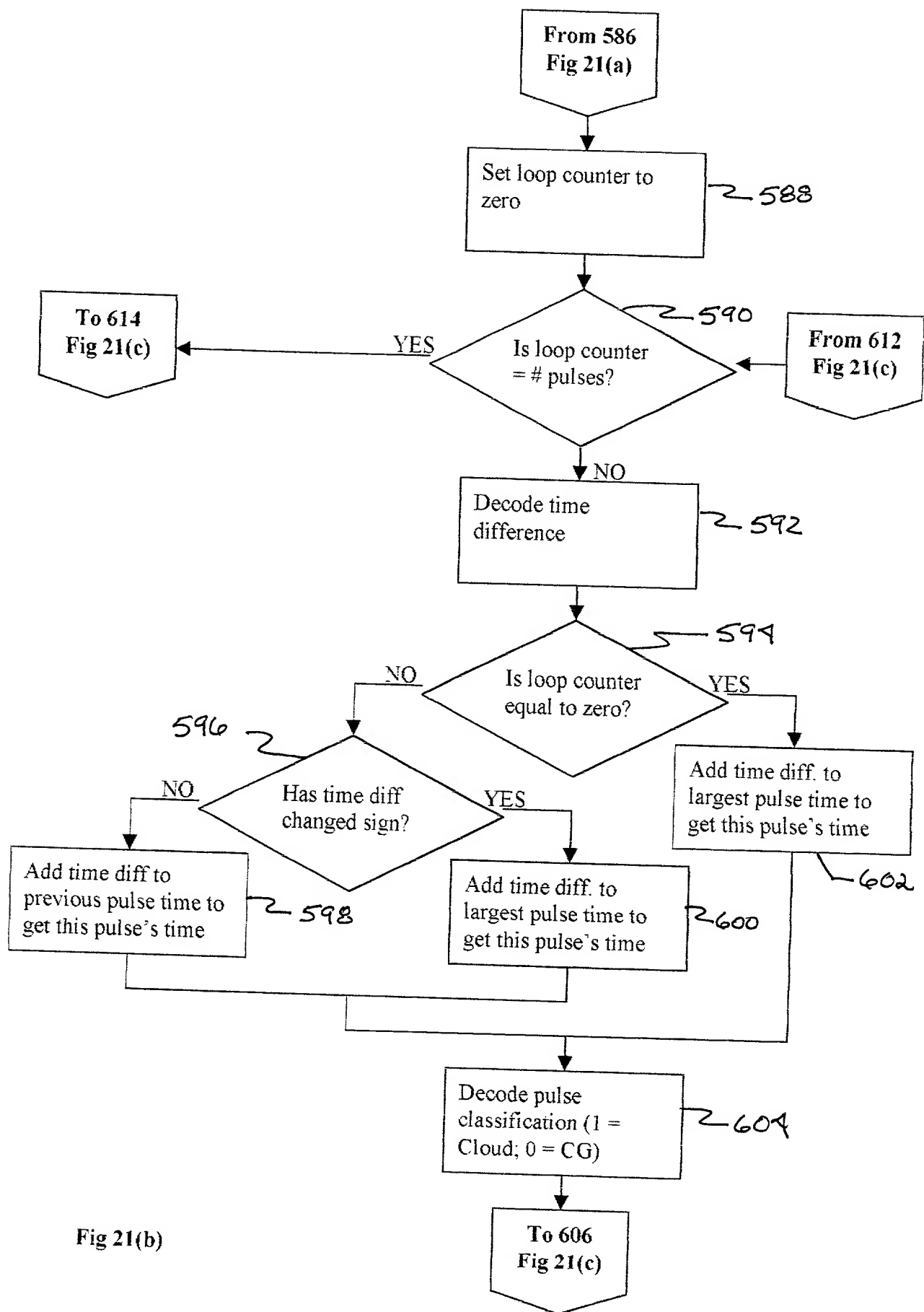


Fig 21(b)

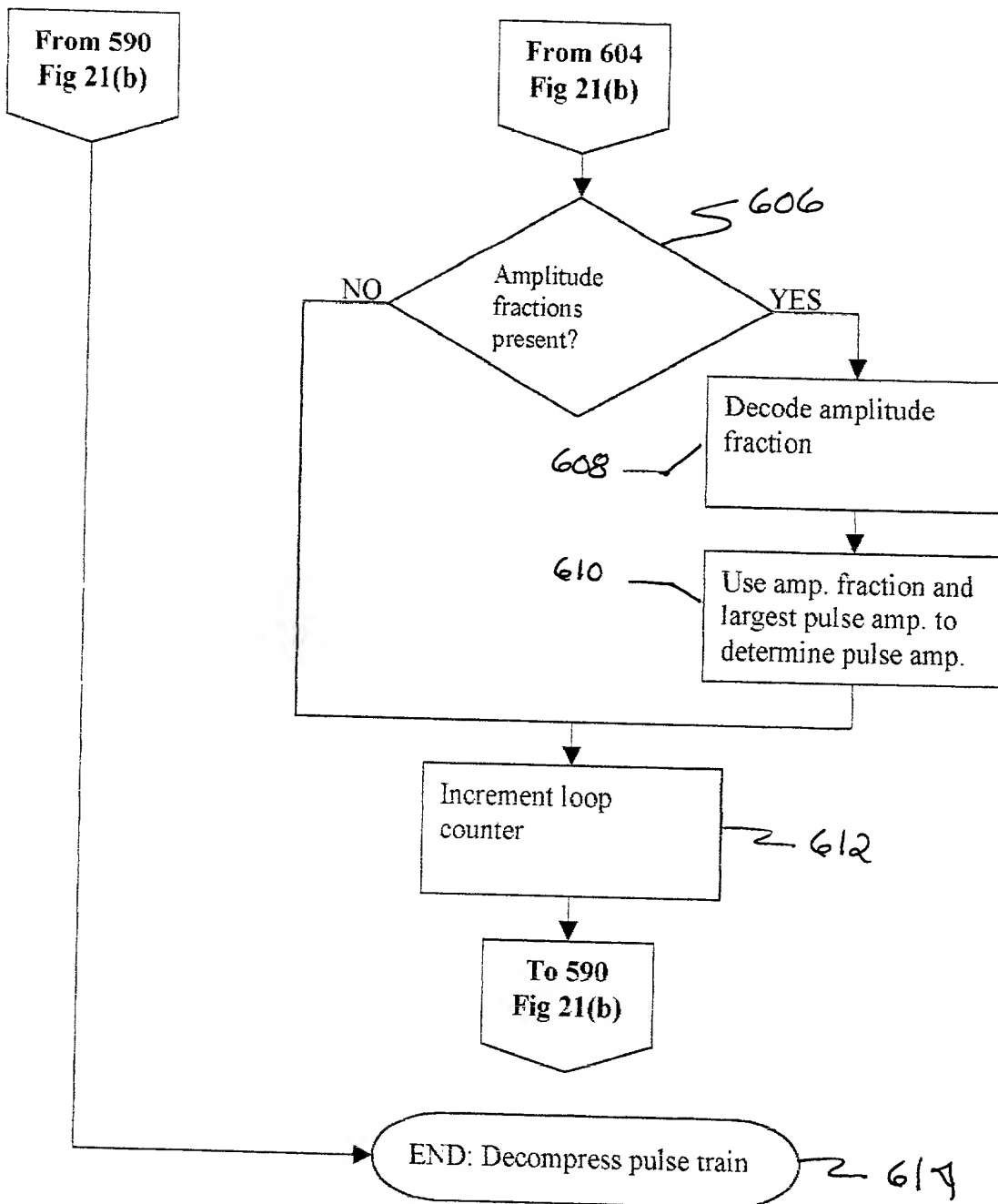


Fig 21(c)

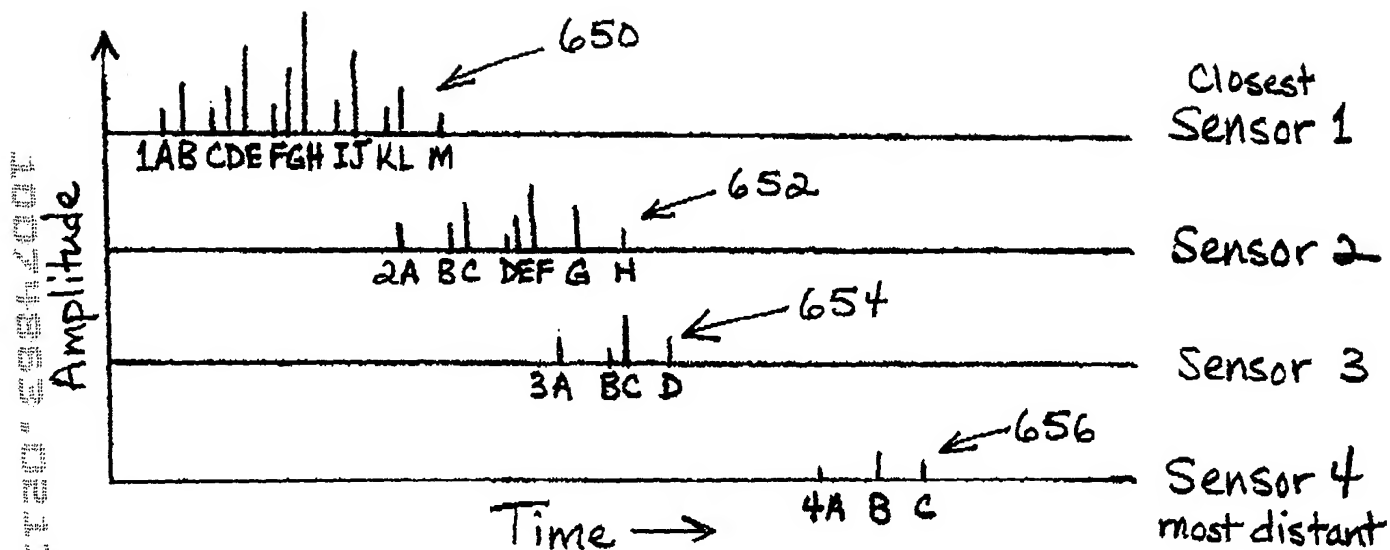


FIG. 22

DECREASING MAGNITUDE
↓

SENSOR1	SENSOR2	SENSOR3	SENSOR4
1H	2F	3C	4B
1J	2G	3D	4C
1E	2C	3A	4A
1G	2E	3B	
1B	2A		
1L	2H		
1D	2B		
1F	2D		
1A			
1C			
1I			
1K			
1M			

FIGURE 23

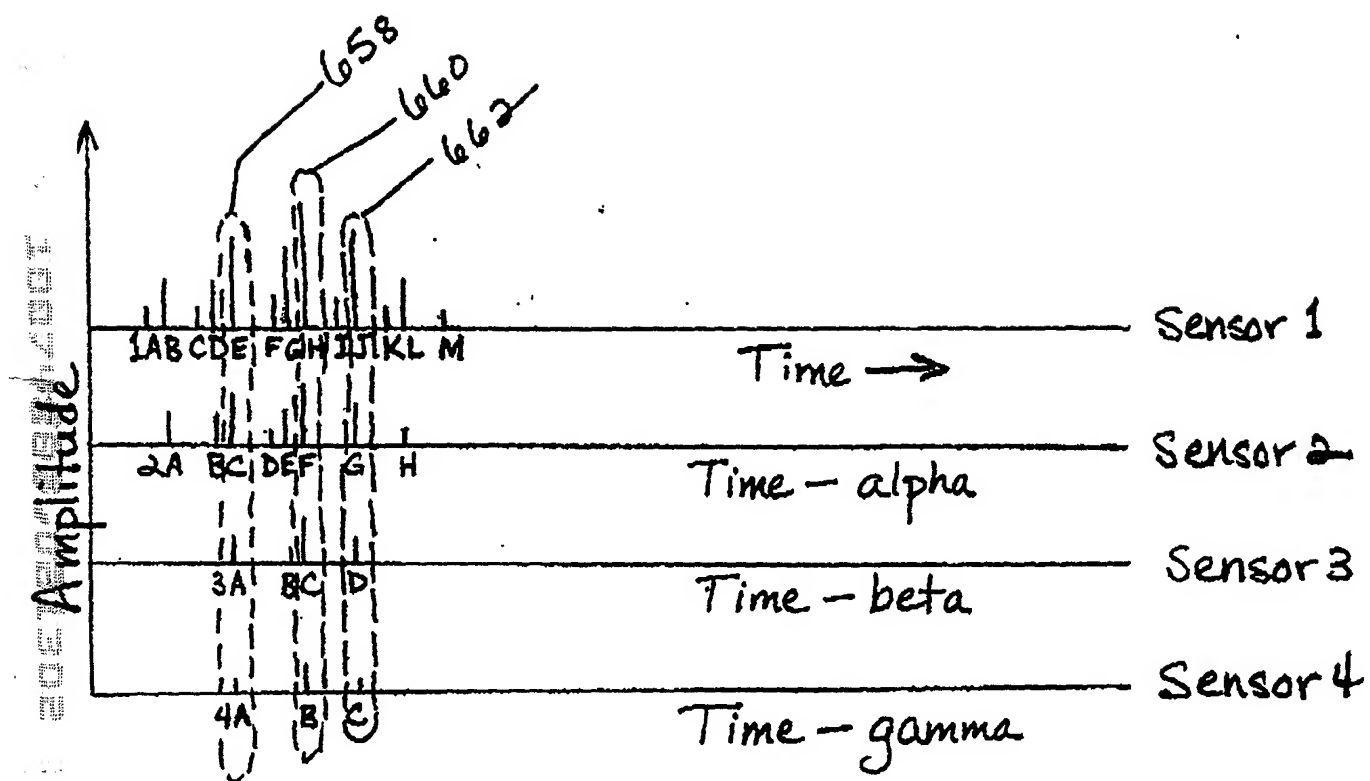


FIG. 24